

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2005/003208

A. CLASSIFICATION OF SUBJECT MATTER
C07D487/04 A01N43/90

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
C07D A01N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, CHEM ABS Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	FR 2 765 875 A (AMERICAN CYANAMID COMPANY) 15 January 1999 (1999-01-15) claims 1-12; examples 1-22	1-15
X	US 5 994 360 A (PFRENGLE ET AL) 30 November 1999 (1999-11-30) cited in the application claims 1-14; examples 1-22	1-15
A	WO 02/083677 A (BASF AKTIENGESELLSCHAFT; TORMO I BLASCO, JORDI; SAUTER, HUBERT; MUELLE) 24 October 2002 (2002-10-24) claims 1-7; table I	1-10, 12-15
A	WO 03/008415 A (BASF AKTIENGESELLSCHAFT; TORMO I BLASCO, JORDI; SAUTER, HUBERT; MUELLE) 30 January 2003 (2003-01-30) abstract; table I	1-10, 12-15
-/-		

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

15 November 2005

Date of mailing of the international search report

Name and mailing address of the ISA

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	PATENT ABSTRACTS OF JAPAN vol. 2003, no. 02, 5 February 2003 (2003-02-05) & JP 2002 308879 A (NIPPON SODA CO LTD), 23 October 2002 (2002-10-23) paragraph '0089! - paragraph '0096!	11
A	abstract; table 1	1-10, 12-15
P,X	----- WO 2004/087705 A (BASF AKTIENGESELLSCHAFT; TORMO I BLASCO, JORDI; BLETNER, CARSTEN; MUE) 14 October 2004 (2004-10-14) table A -----	1-10, 12-15

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Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

2. ☐ Claims Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:

3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

See the Supplemental Sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☒ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
1-4, 6, 9, 10, 12-15 (in part); 5, 7, 8, 11 (in full)
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

☐

The additional search fees were accompanied by the applicant's protest.

☒

No protest accompanied the payment of additional search fees.

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Box III

The International Searching Authority has determined that this international application contains multiple (groups of) inventions, as follows:

1. Claims: 1-4, 6, 9, 10, 12-15 (in part); 7 (in full)

Compounds of the formula I, in which R1 = alkyl, halogenalkyl, cycloalkylalkyl, alkenyl, or compounds of the formula I.1, in which G = alkyl, cycloalkyl, or compounds of the formula I.2.

2. Claims: 1-4, 6, 9, 10, 12-15 (in part)

Compounds of the formula I, in which R1 = cycloalkyl substituted by Ra, halogencycloalkyl, halogenalkenyl, or of the formula I.1, in which G = alkoxyalkyl.

3. Claims: 1-4, 6, 9, 10, 12-15 (in part)

Compounds of the formula I, in which R1 = cycloalkenyl, halogencycloalkenyl, phenyl, naphthyl, unsaturated or aromatic heterocycle.

4. Claims: 1-4, 6, 9, 10, 12-15 (in part)

Compounds of the formula I, in which R1 = alkynyl, halogenalkynyl.

5. Claims: 1-4, 6, 9, 10, 12-15 (in part)

Compounds of the formula I, in which R1 = saturated heterocycle.

6. Claims: 1-4, 6, 9, 10, 12-15 (in part); 5, 8 (in full)

Compounds of the formula I, in which R1, together with R2 and an N-atom, forms a heteroring which is different from piperidine or from methyl-substituted piperidines, or compounds of the formula I.3.

7. Claim 11 (in full)

Intermediates of the formulas (IV) and (V).

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Information on patent family members

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
FR 2765875	A	15-01-1999	JP 11035581 A	09-02-1999
US 5994360	A	30-11-1999	NONE	
WO 02083677	A	24-10-2002	AT 274518 T DE 60201089 D1 DE 60201089 T2 ES 2225784 T3 JP 2004526767 T US 2004110751 A1	15-09-2004 30-09-2004 30-12-2004 16-03-2005 02-09-2004 10-06-2004
WO 03008415	A	30-01-2003	BR 0211179 A CA 2453638 A1 CN 1533394 A HU 0401048 A2 JP 2005500334 T MX PA04000044 A NZ 531066 A US 2004162428 A1 ZA 200401255 A	19-10-2004 30-01-2003 29-09-2004 28-09-2004 06-01-2005 21-05-2004 29-04-2005 19-08-2004 10-03-2005
JP 2002308879	A	23-10-2002	NONE	
WO 2004087705	A	14-10-2004	NONE	